

FIG. 2 PRIOR ART

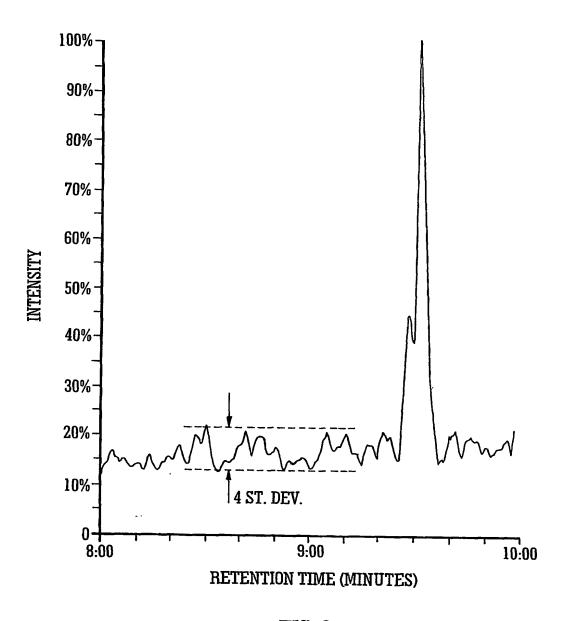


FIG. 3
PRIOR ART

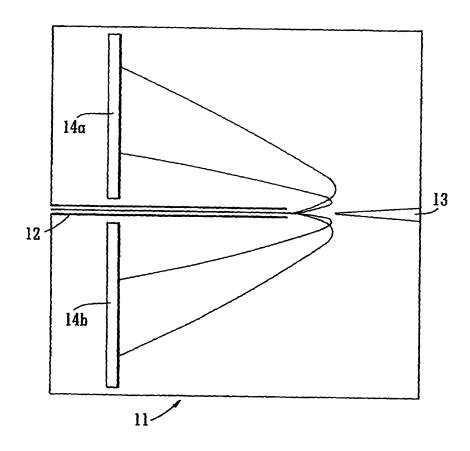


FIG. 4

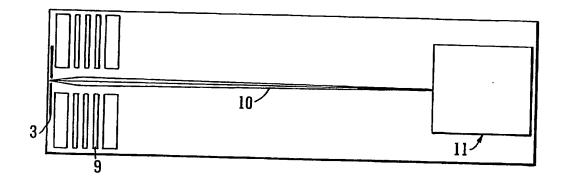


FIG. 5

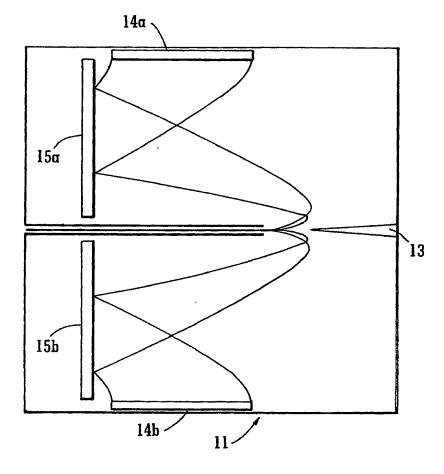


FIG. 6

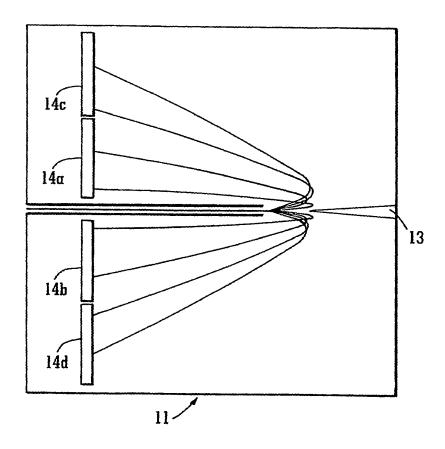


FIG. 7

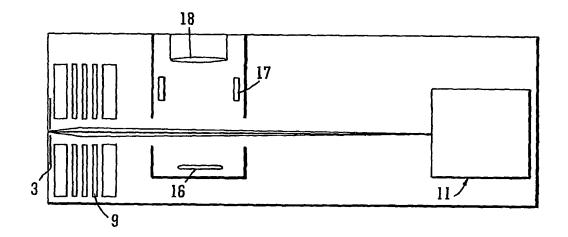
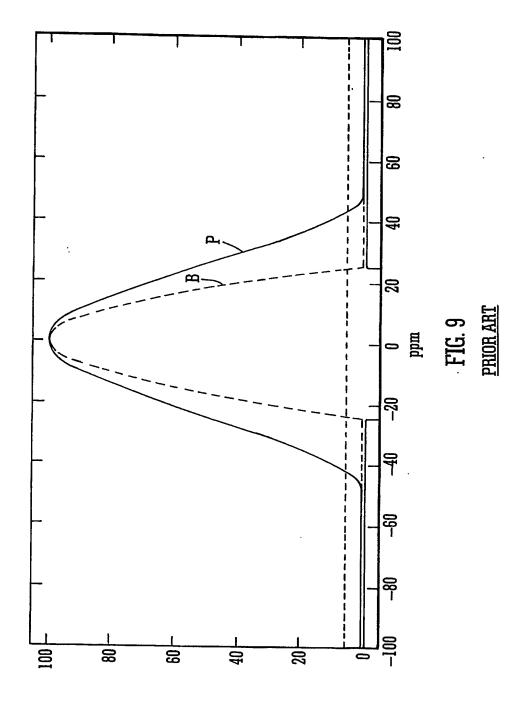
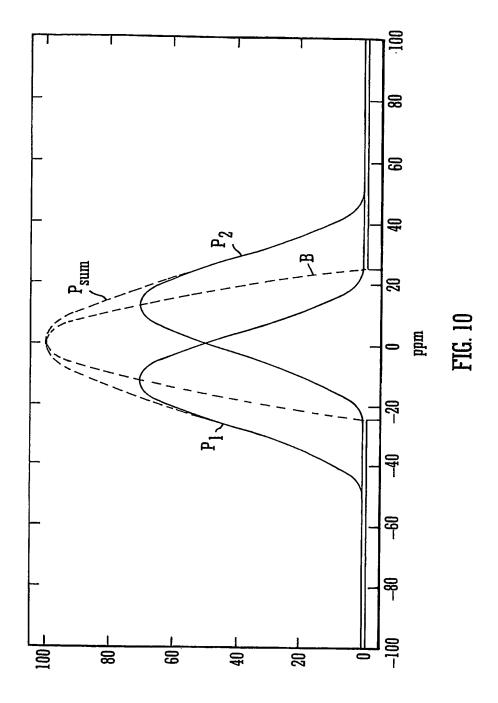


FIG. 8





olumn 11	۵.	(%)	Pr(i) =	0.064	0.032	0.105	1.033	13.125	100	13.125	1.033	0.105	0.032	0.064
Column 10 Column 11	P2	(%)	P2(i) =	97.47	98.21	96.76	89.83	63.77	0	63.77	89.83	96.76	98.21	97.47
Column 9	۲	(%)	P1(i) =	97.47	98.21	96.76	89.83	63.77	0	63.77	89.83	96.76	98.21	97.47
Column 8	Difference D2 in units	of (ca)	D2(i) =	2.24	2.37	2.14	1.64	0.91	0	0.91	1.64	2.14	2.37	2.24
Column 7	Difference D1 in units	of (ơa)	D1(i) =	2.24	2.37	2.14	1.64	0.91	0	0.91	1.64	2.14	2.37	2.24
Column 6	Std dev (oa) for	average	σa(i) =	2.24	2.56	2.82	3.01	3.12	3.16	3.12	3.01	2.82	2.56	2.24
Column 5	Average count per	detector	sa(i) ≂	5	6.55	7.94	9.02	9.76	10	9.76	9.05	7.94	6.55	5
Column 4	Total count		s(j)s	10	13.1	15.9	18.1	19.5	20	19.5	18.1	15.9	13.1	10
113	Count on 2nd	detector	s2(i) =	10	12.6	14	14	12.6	10	6.9	4.1	1.9	0.5	0
Column 1 Column 2 Colum	Count on 1st		s1(i) =	0	0.5	1.9	4.1	6.9	10	12.6	14	14	12.6	10
Column 1	lon Beam Shift	(mdd)	<u></u>	-25	-20	-15	-10	-5	0	5	10	15	20	25

F16. 11

E Difference of (ofa) (%) (%) (%) (%) (%) (%) (%) (%) (%) (%				_																					
Column 2 Column 3 Column 4 Column 5 Column 6 Column 7 Column 7 Column 7 Column 8 Column 9	Column 11	ч %	Pr(i) =		0	0	0	0.027	0.173	0.937	4.194	15.191	43 817	20.2	100	43.81/	15.191	4.194	0.937	0 472	0.1/3	0.027	٦	0	c
Count on 1st on 2nd count detector Column 3 column 4 count ber of 3 for on 1st on 2nd count count per detector detector Count on 2nd count count per detector detector Count on 2nd count count per detector detector Count of 3 for on 2nd count count per detector detector Count of 3 for on 2nd count count per detector detector Count of 3 for on 2nd count detector Count of 3 for on 2nd count count per detector Count of 3 for on 2nd count count per detector Count of 3 for on 2nd count count per detector Count of 3 for on 2nd count count per detector Count of 3 for on 2nd count count per detector Count of 3 for on 2nd count count per detector Count of 3 for on 2nd count count per detector Count of 3 for on 2nd count count per detector Count of 3 for on 2nd count count per detector Count of 3 for on 2nd count count per detector Count of 3 for on 2nd count count per detector Count of 3 for on 2nd count count per detector Count of 3 for on 2nd count count per detector Count of 3 for on 2nd count count per detector Count of 2nd count coun	Column 10	P2 (%)	P2(i) =	60	39.93	99.78	99.39	98.35	95.84	90.32	79.52	61.02	33.81	5	22.02	33.01	20.10	79.52	90.32	05.84	10.00	90.33	99.39	99.78	60 03
Column 2 Column 3 Column 4 Column 5 Column 6 Column 7	Column 9	P1 (%)	P1(i) =	60 00	99.93	99.78	99.39	98.35	95.84	90.32	79.52	61.02	33.81	0	22 04	25.01	70.102	79.52	90.32	95 84	00.05	90.00	33.33	89.78	99 93
Column 2 Column 3 Column 4 Column 5 Column 6 Column 7 Count 3 Count 4 Total 5 Average 5 Std dev 7 Difference on 1st on 2nd count per 6 (a) for 1n units detector	Column 8	Difference D2 in units of (da)	D2(i) =	2 27	20.0	3.07	47.74	4.7	4.04	1.00	1.27	0.86	0.44	6	0 44	2 0	0.00	1.27	1.66	2.04	70	7.7	4.14	3.07	3.371
Column 2 Column 3 Column 4 Column 5 Column 5 Column 5 Column 5 Column 5 Column 5 Column 6 Column 6 Column 7		Difference D1 in units of (da)	D1(i) =	3 37	3 07	0.0	27.74	2 0.4	4.04	8.	1.27	0.86	0.44	c	0 44	0 86	4 27	1.27	1.66	2.04	24	274	202	0.00	3.37
Column 2 Column 3 Column 4 Column 4 Column 4 Column 5 Column 4 Column 4 Column 4 Column 5 Column 4 Column 4 Column 4 Column 4 Column 5 Column 4 Column 4 Column 5 Column 5 Column 5 Column 4 Column 4 Column 6 Column 7 Column 7 Column 7	Column 6	Std dev (da) for average	σa(i) =	67.9	6.85	0.0	8 OF	808	7 03	70.7	7.04	7.06	7.07	7.07	7.07	7.06	707	10.7	7.02	6.98	6.95	0.9	6.85	200	D./3
Column 2 Column 3 Column 3 Column 4 Count on 1st on 1st on 2nd on 1st on 2nd on 1st on 2nd on 2nd on 1st on 2nd on 2	Column 5	Average count per detector	sa(i) =	46.11	46 91	47.62	48 24	48 78	49 24	17:01	49.30	49.8	49.95	20	49.95	49.8	49.56	2000	49.21	48.78	48.24	47.62	46 91	16.11	40.11
Column 2 Column 2 Column 2 Column 2 Column 2 Column 3 Col	Column 4	Total count	s(i) =	92.2	93.8	95.2	96.5	97.6	98 4	60	99.1	0.88	99.9	100	6.66	9.66	99 1	7 00	96.4	9.76	96.5	95.2	93.8	00 0	34.4
Column 1 Column 2 Shift On 1st Shift	Column 3	Count on 2nd detector	_	69	67.9	66.5	64.9	63	6.09	58 A	0.00	9.00	23	50	46.9	43.7	40.6	27.6	0.70	34.5	31.6	28.7	25.9	23.2	12.61
Shift (ppm) 1= 15	Column 2	Count on 1st detector	s1(i) =	23.2	25.9	28.7	31.6	34.5	37.6	40.6	43.7	15.5	8.04	20	53	55.9	58.5	0 08	6.00	63	64.9	66.5	67.9	69	122
	Column 1	fon Beam Shift (ppm)	. <u>!!</u>	45	-40	-35	-30	-25	-20	-15	1,	2 4	? [0	5	10	15	20	27 6	3	30	35	40	45	

FIG 19